

Title (en)  
METHODS OF DETECTION OF IRON DEFICIENCY AND HEMOCHROMATOSIS

Title (de)  
VERFAHREN FÜR DEN NACHWEIS VON EISENMANGEL UND HÄMOCHROMATOSE

Title (fr)  
PROCEDES DE DETECTION DE LA CARENCE EN FER ET HEMOCHROMATOSE

Publication  
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Application  
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Abstract (en)  
[origin: WO2007035916A2] New diagnostic parameters or indexes for detection of absolute iron deficiency, latent iron deficiency, functional iron deficiency, or latent functional iron deficiency have been disclosed. The parameters include a RBC size factor, RSf defined by the formula of  $(MCV \times MRV) < SUP > 1/2 < /SUP >$ , or RSf<SUB>2</SUB> defined by the formula of  $(MCV \times MRV)/100$ , a volume-hemoglobin factor (VHf) defined by the formula of  $(MCV \times Hgb)/100$ , and a volume-hemoglobin/distribution factor (VHDWf) defined by the formula of  $(MCV \times Hgb)/(RDW \times 10)$ . Further disclosed are the methods of using these parameters for detection of absolute iron deficiency, latent iron deficiency, functional iron deficiency, or latent functional iron deficiency. Also disclosed is a method of using RSf for detection of hemochromatosis.

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